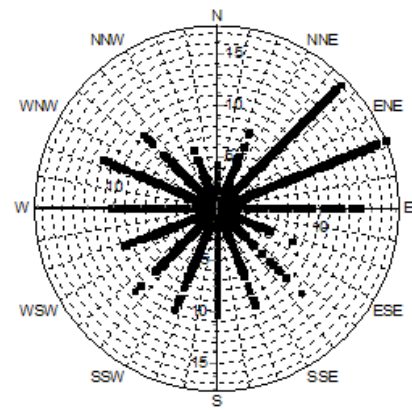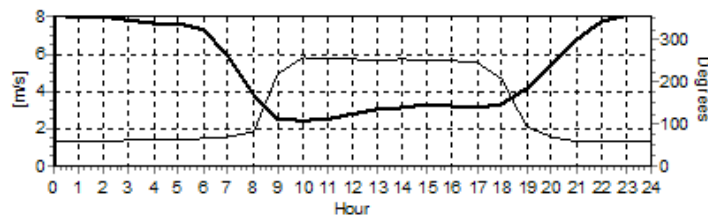# Mapleton

1. Rose Graph

This graph illustrates the relative frequencies for which the wind blows at certain speeds in certain directions. For this particular site, the wind blows strongly in the ENE direction.
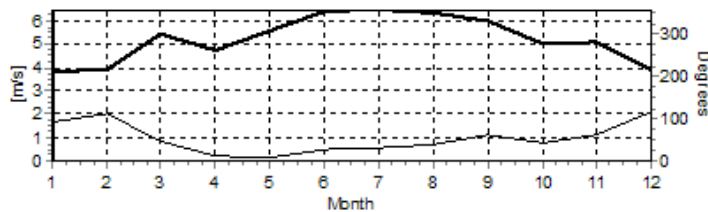

Wind speed [m/s]

2. Diurnal Graph

This graph shows the average wind speed measured at each time of day in m/s, where Hour 0 corresponds to midnight. Note the increased wind speed in the late evening to early morning.

Similarly, this graph shows the average wind speed for each month of data collected by the anemometer (beginning in January).

3. Windpro Data

Monthly Mean Value of Wind Speed						
Month	2001		2002		Mean of month	
	M/s	Mph	M/s	Mph	M/s	Mph
Jan			3.9	8.7	3.9	8.7
Feb			3.9	8.7	3.9	8.7
Mar			5.4	12.1	5.4	12.1
Apr			4.7	10.5	4.7	10.5
May			5.6	12.5	5.6	12.5
Jun			6.4	14.3	6.4	14.3
Jul			6.5	14.5	6.5	14.5
Aug			6.4	14.3	6.4	14.3
Sep			6.0	13.4	6.0	13.4
Oct	5.3	11.9	4.7	10.5	5.0	11.2
Nov	5.1	11.4			5.1	11.4
Dec	3.9	8.7			3.9	8.7
Mean, all data	4.7	10.5	5.4	12.1		
Mean of months	4.8	10.7	5.3	11.9	5.2	11.6